

Work Order ID 86012

June-19-12 2:38:31 PM

86012

Page 1

Item ID: D350-607-041A

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 09/07/2012 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: ML5 Date: 12/06/12 Tooling:

Run Start ***NR1***

QC: Date: SPC (Y/N):

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

D350-607-1

A

100

100

DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPPD350-607-041A
CHG001

0.00

0.00

110

110

Packaging

Packaging

Pick Kit

Memo

0.00

0.00

120

120

Small Fab

Small Fab

Small Fab

Memo

Assemble as per Dwg D350-607 / DSI 9473
Seal support gusset seam with white sikaflex-291
Batch: 121409
Expiry date: 13-7

0.00

0.00

8/2/06/29

ML5 12/06/28

12/6/28

1 0 13/6-29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

86012

Page 2

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Start Date: 19/06/2012 **Start Qty:** 1.00 ***1***

Customer:

Required Date: 09/07/2012 **Req'd Qty:** 1.00 *** 1 ***

Reference:

Approvals: **Process Plan:** **Date:**

Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____

SPC (Y/N): _____ Date: _____

Stop ***NR2***

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code
---------	--------	-----------

Accept Qty	Reject Qty	Reject Number	Insp. Stamp

130

QC5- Inspect part completeness to step on W/O

0.00

130

QC

Memo

0.00

Quality Control

*****Ensure label for weight capacity is correct*****

140

Pick Kit

0.00

140

Packaging

Memo

0.00

Packaging

150

QC4- 100% Inspect kits for completeness

0.00

150

QC

Memo

0.00

Quality Control

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Start Date: 19/06/2012 **Start Qty:** 1.00 ***1***

Required Date: 09/07/2012 **Req'd Qty:** 1.00 *** 1 ***

Customer:

Reference:

Approvals: _____ **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start** ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

160

0.00

160

Packaging

0.00

Packaging

Memo

Packaging

Identify and pack for shipping as per PPP D350-607-041A

Location:

170

QC21- Final Inspection - Work Order Release

0.00

170

QC

Memo

0.00

Quality Control

ms 1210412e

ME
12-06-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Picklist Print

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Work Order ID: 86012

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Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC
per dwg revC DD 10.01.18 verified by:EC
545 DD 10.04.19 verified by:EC
607-141 and added individual parts of D350-607-141 in DD verf:JLM
IPP RevB: as
IPP Rev:C as per ecn10-
IPP Rev:D 10.10.18 remove D350-

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN310-4 *AN310-4* NUT		Purchased	No			110	Each	118.0000	4	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST344				118					
				121349				18					
				121827				100					
AN3C11A *AN3C11A* BOLT		Purchased	No			110	Each	44.0000	4	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST351				44					
				119798				44					
AN3C16A *AN3C16A* Bolt		Purchased	No			110	Each	41.0000	4	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST352				41					
				115835				1					
				121349				25					
				121652				15					

12-6-2850

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 86012

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Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

D3953-1 Manufactured No

110 Each

15.0000 2 2

D3953-1

Gas Spring Bracket

**

Location

Loc Qty

Loc Code

ST075

15

53760

15

D3953-11

Manufactured No

110 Each

7.0000 2 2

D3953-11

Gas Spring Spacer

**

Location

Loc Qty

Loc Code

ST075

7

79338

7

D3953-13

Manufactured No

110 Each

12.0000 2 2

D3953-13

Gas Spring Spacer

**

Location

Loc Qty

Loc Code

ST075

12

52761

12

D3953-3

Manufactured No

110 Each

11.0000 2 2

D3953-3

Gas Spring Stud, Lid

**

Location

Loc Qty

Loc Code

ST075

11

82939

11

D3953-5

Manufactured No

110 Each

4.0000 2 2

D3953-5

Gas Spring Stud, Base

**

Location

Loc Qty

Loc Code

ST075

4

77506

4

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Page 2

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Work Order ID: 86012

86012

Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

D3953-7

Manufactured No

110

Each

21.0000

2

D3953-7

Spring Spacer

**

Location

Loc Qty

Loc Code

ST075

21

82940

21

D3953-9

Manufactured No

110

Each

33.0000

4

D3953-9

Gas Spring Washer

**

Location

Loc Qty

Loc Code

ST075

33

82941

33

D3969-1

Manufactured No

110

Each

27.0000

2

D3969-1

Spring (Basket Lid)

**

Location

Loc Qty

Loc Code

ST272

27

73523

7

84424

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 86012

Parent Item: D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

86012

D350-607-041A

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

1,319.000

8

8

MS21043-3

Nut

**

SP

Location

Loc Qty

Loc Code

FG

72

103691

72

ST301

1247

118077

2

118614

51

118686

30

119758

20

121255

188

121708

956

8

MS24665-2-12

Purchased

No

110

Each

134.0000

4

4

MS24665-2-12

COTTER PIN

**

SP

Location

Loc Qty

Loc Code

ST309

134

118078

134

4

NAS1149C0332R

Purchased

No

110

Each

9,782.000

8

8

NAS1149C0332R

Washer

**

SP 12-6-28

Location

Loc Qty

Loc Code

297

9782

122063

9782

8

June-19-12 2:38:36 PM

Shop Packet Print

Page 4

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ **PAR #:** _____ **Fault Category:** _____ **NCR:** Yes No **DQA:** _____ **Date:** _____
Resolution: _____ **Disposition:** _____ **QA: N/C Closed:** _____ **Date:** _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries

Picklist Print

June-19-12 2:38:36 PM

Page 5

Work Order ID: 86012

86012

Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0432R

Purchased

No

110

Each

3,718.000

4

4

NAS1149C0432R

Washer

**

sf

Location

Loc Qty

Loc Code

ST297

1070

117291

70

119124

1000

ST298

2648

121255

2648

D350-607-241

Manufactured

No

140

Each

3.0000

1

1

D350-607-241

Basket Clamp Assembly

**

sf

Location

Loc Qty

Loc Code

FG022

2

82555

2

PKG

1

82554

1

PKG12

-5

PKG13

5

D2022-101

Manufactured

No

110

Each

52.0000

2

2

D2022-101

Spacer

**

sf

Location

Loc Qty

Loc Code

ST504

52

73307

1

79465

51

D2221

Manufactured

No

110

Each

0.0000

1

1

D2221

350 Basket Base

**

1

BK 12-6-29

86005

June-19-12 2:38:37 PM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

June-19-12 2:38:37 PM

Page 6

Work Order ID: 86012

86012

Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

D2258-200

Manufactured No

110 Each

26.0000

1

**

D2258-200

Placard 200lb

Location

Loc Qty

Loc Code

ST505

26

81888

16

84436

10

D2512

Manufactured No

110 Each

0.0000

1

**

D2512

Basket Lid 205/350

D2530

Manufactured No

110 Each

2.0000

1

**

D2530

Handle Weldment

Location

Loc Qty

Loc Code

ST506

2

82895

1

83423

1

D2535

Manufactured No

110 Each

62.0000

2

**

D2535

Spring

Location

Loc Qty

Loc Code

ST504

62

83545

62

D2537

Manufactured No

110 Each

30.0000

2

**

D2537

Bushing

Location

Loc Qty

Loc Code

ST504

30

82896

30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Picklist Print

June-19-12 2:38:37 PM

Page 7

Work Order ID: 86012

86012

Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

D2931

Manufactured No

110 Each

408.0000 2 2

D2931

Bumper

**

sp

Location

Loc Qty

Loc Code

ST504

408

46064

408

AN3-16A

Purchased No

110 Each

109.0000 2 2

AN3-16A

Bolt

**

2
2
sp

Location

Loc Qty

Loc Code

ST352

109

117441

47

118628

1

120986

11

121708

50

AN4-7A

Purchased No

110 Each

120.0000 2 2

AN4-7A

Bolt

**

2
2
sp

Location

Loc Qty

Loc Code

ST356

120

117514

20

120770

100

AN5-17A

Purchased No

110 Each

60.0000 4 4

AN5-17A

Bolt

**

2
4
sp 12.6.28

Location

Loc Qty

Loc Code

338

4

121181

4

ST338

56

117872

34

121541

22

June-19-12 2:38:37 PM

Shop Packet Print

Page 7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

MS20600-AD4W3

Purchased

No

110

Each

740.0000

2

2

MS20600-AD4W3

Cherry Rivets

**

M12251 50

Location

Loc Qty

Loc Code

ST321

607

111636

36

117601

3

118626

310

120308

258

WA018

133

107939

133

AN960JD416

NAS1149D0463J

Purchased

No

110

Each

30.0000

2

2

AN960.ID416

Washer

**

50

Location

Loc Qty

Loc Code

ST351

30

116289

10

119097

20

AN960JD516

NAS1149D0563J

Purchased

No

110

Each

16.0000

4

4

AN960.ID516

Washer

**

4

Location

Loc Qty

Loc Code

ST338

16

2612

16

AN960JD8

NAS1149DN832

Purchased

No

110

Each

0.0000

2

2

AN960.ID8

Washer

**

M120422 12-6-28 50

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W/O:		WORK ORDER CHANGES					
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Parent Item: D350-607-041A

D350-607-041A

Parent Item Name: Heli-Utility-Basket (Automatic Lid Opener)

Start Date: 19/06/2012

Required Date: 09/07/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

1,681.000

10

10

MS21042I 3

**

SD

Nut

Location

Loc Qty

Loc Code

ST300

1681

117885

32

119017

816

119075

138

121444

695

10

MS21042L4

Purchased

No

110

Each

2,876.000

2

2

MS21042I 4

**

SD

Nut

Location

Loc Qty

Loc Code

ST300

2876

119075

116

121011

193

121444

2267

121652

300

2

MS21042L5

Purchased

No

110

Each

1,335.000

4

4

MS21042I 5

**

SD

12-6-28

Nut

Location

Loc Qty

Loc Code

300

500

121652

500

ST300

835

108827

4

116105

5

116548

43

117611

18

119109

749

17651

8

2937

8

4

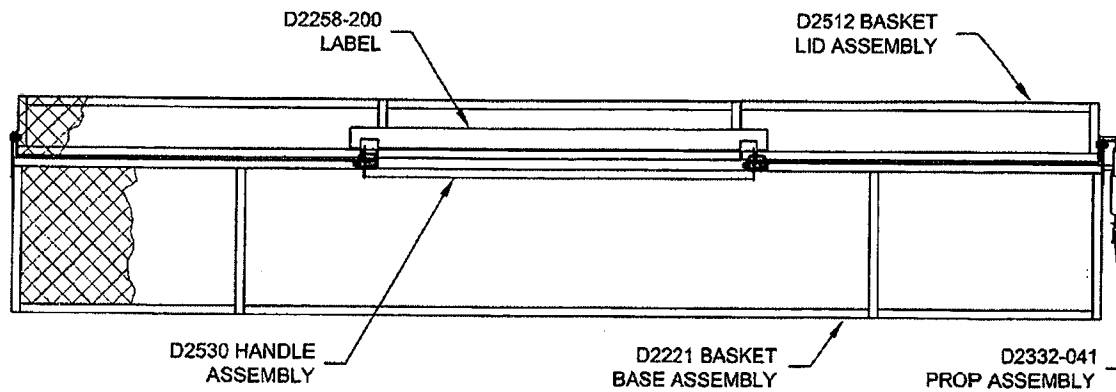
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

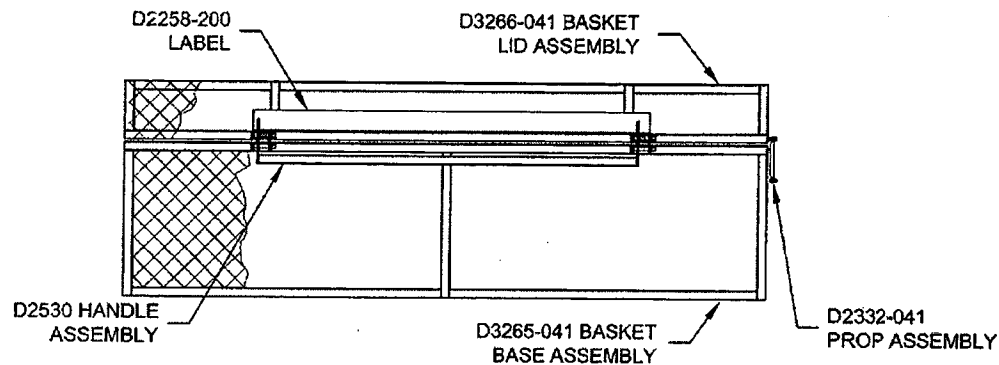
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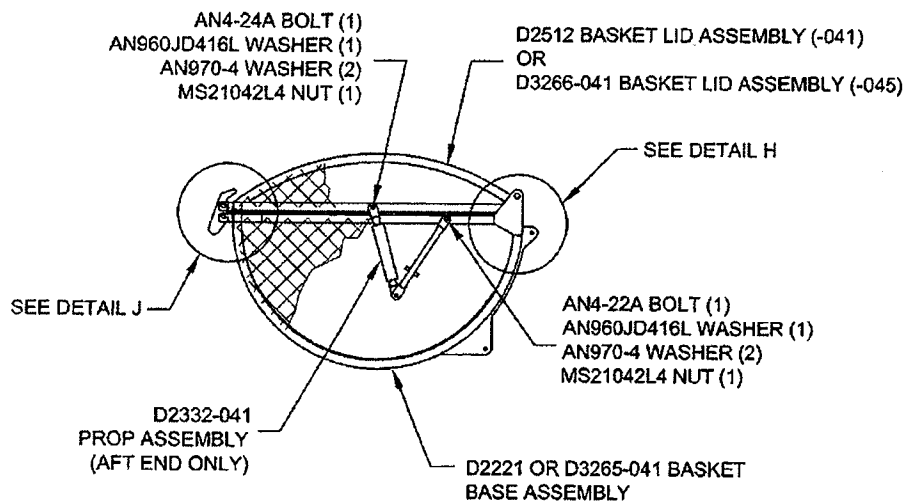
NOTE: Date & initial all entries



D350-607-041 HELI-UTILITY- BASKET™



D350-607-045 HELI-UTILITY- BASKET™



**VIEW C-C
PROP ARM DETAIL**

Figure 5 – Basket Replacement Parts

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Date: 10.03.10

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER NO. 260012

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
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DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	AUTOMATIC LID OPENER INSTL (FOR USE ON -041 BASKET*)
2		X		D350-607-143	AUTOMATIC LID OPENER INSTL (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	AUTOMATIC LID OPENER INSTL (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3	GAS SPRING STUD (LID)
6	2	1	1	D3953-5	GAS SPRING STUD (BASE)
7	2	1	1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9	GAS SPRING WASHER
9	2	1	1	D3953-11	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15	GAS SPRING BRACKET
12		1		D3953-17	GAS SPRING SPACER
13	2	1	1	D3969-1	GAS SPRING
14	4	2	2	AN3C11A	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332R	WASHER (OR AN960C10L)
23	4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)

***NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE LID OPENER PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-041A
D350-607-043 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-043A
D350-607-045 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-045A
D350-607-047 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-047A

who star

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 09.11.11
CERT. NO.: SH94-14
ISSUE NO.: 4

C	SHEET 1 PL, -143 INSTL, ITEM 6 QTY WAS 2, ITEM 7 WAS 0.	AJS	09.11.11
B	SHT 1 P/L ITEM 22 WAS NAS1149C0332 ITEM 23 WAS NAS1149C0432H. ALL OTHER SHEETS UPDATED ACCORDINGLY. (REASON: DRAFTING ERROR) INSTALLATIONS RENAMED.	AJS	09.11.06
A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 1 OF 8
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AUTOMATIC LID OPENER INSTL	NTS
DATE	09.11.11	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

FOR D350-607-041 BASKETS, REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

D350-607-141 AUTOMATIC LID OPENER INSTALLATION

NOTE: ONCE THIS MODIFICATION IS COMPLETE YOU WILL NOT BE ABLE TO RE-INSTALL THE D2332-041 PROP ARM.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON BOTH ENDS OF THE BASKET AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
- 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

NOTE: THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.




- 7) REPEAT STEPS 2 THROUGH 6 AT THE OTHER END OF THE BASKET.
- 8) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRINGS SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.11.11
CERT. NO.: SH94-14
ISSUE NO.: 4

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 2 OF 8
APPROVED		TITLE	SCALE
DE APPR.		AUTOMATIC LID OPENER INSTL	NTS
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FOR D350-607-043/-047 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

D350-607-143 AUTOMATIC LID OPENER INSTALLATION

NOTE: THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 2 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-15 GAS SPRING BRACKET AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL C. INSTALL THE D3953-15 GAS SPRING BRACKET & D3953-17 GAS SPRING SPACER USING 2X AN3C15A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW G-G.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL D. INSTALL 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW H-H. INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW H-H. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 5) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-15 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING STUD AS SHOWN IN VIEW G-G. RAISE THE BASKET LID AND INSTALL THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW G-G. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

NOTE: THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.




- 6) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

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DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

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ISSUE NO.: 4

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MFG. APPR.	N/A	DSI 9473	SHEET 3 OF 8
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FOR D350-607-045 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

D350-607-145 AUTOMATIC LID OPENER INSTALLATION

NOTE: THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
 - 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
 - 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
 - 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
 - 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
 - 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.

- 7) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

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

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BY: 
D. SHEPHERD (DE # 02)

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CERT. NO.: SH94-14

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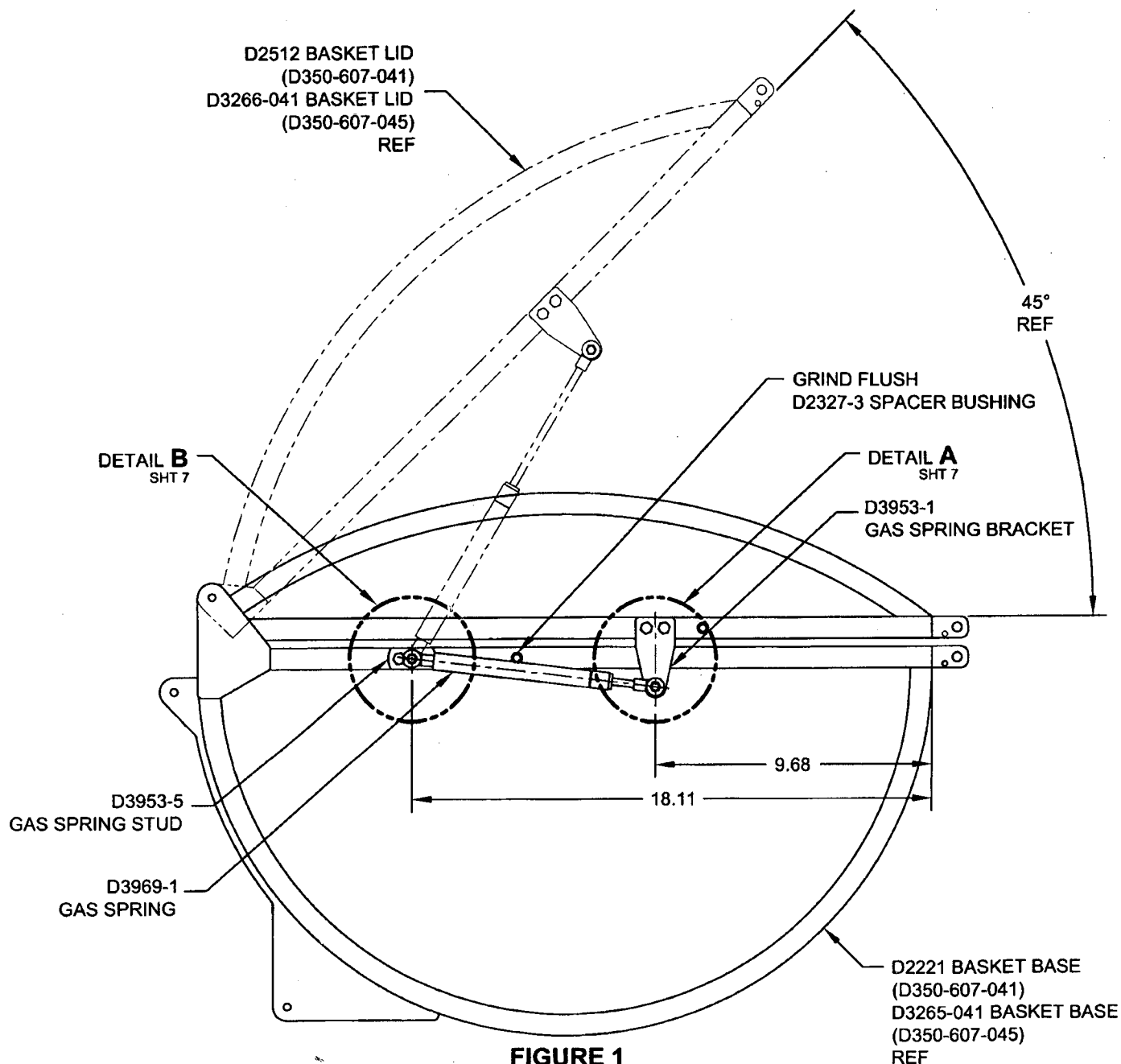


FIGURE 1

D350-607-141 AUTOMATIC LID OPENER INSTALLATION

(BOTH ENDS)

D350-607-145 AUTOMATIC LID OPENER INSTALLATION

(1 END ONLY)

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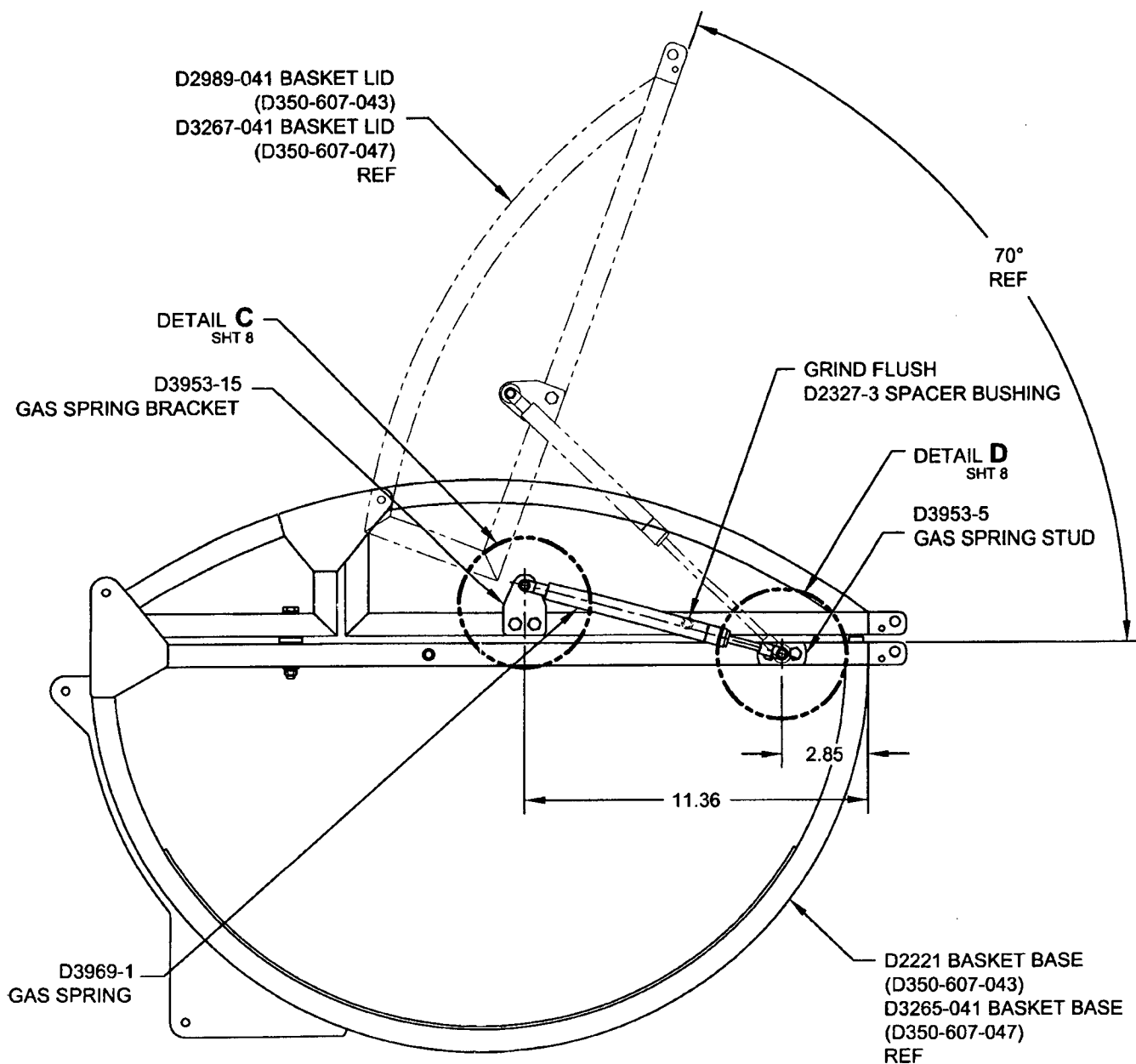


FIGURE 2
D350-607-143 AUTOMATIC LID OPENER INSTALLATION
 (1 END ONLY)

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AN3C11A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-5
GAS SPRING STUD
REF
D3953-11
GAS SPRING SPACER
D3953-9
GAS SPRING WASHER
AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

VIEW F-F

AN3C16A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3969-1
GAS SPRING
REF

VIEW E-E

D3953-13
GAS SPRING SPACER

D3953-1
GAS SPRING BRACKET
REF

D3953-7
GAS SPRING SPACER

D3953-9
GAS SPRING WASHER

D3953-3 GAS SPRING STUD
AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

D3953-5
GAS SPRING STUD
REF

TRIM MESH LOCALLY
AS REQUIRED

TRANSFER MARK AND
DRILL Ø0.194 THRU
2 PL

DETAIL B

E

TRIM MESH LOCALLY
AS REQUIRED

D3969-1
GAS SPRING
REF

TRANSFER MARK AND
DRILL Ø0.194 THRU

D3953-1
GAS SPRING BRACKET
REF

DETAIL A

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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.	REV. C
DSI 9473	SHEET 7 OF 8
TITLE	SCALE
AUTOMATIC LID OPENER INSTL	NTS

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AN3C15A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-17
GAS SPRING SPACER
D3953-15
GAS SPRING BRACKET
REF
D3953-7
GAS SPRING SPACER
D3953-9
GAS SPRING WASHER

D3953-3 GAS SPRING STUD
AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

VIEW G-G

AN3C11A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-5
GAS SPRING STUD
REF
D3953-11
GAS SPRING SPACER
D3953-9
GAS SPRING WASHER

AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

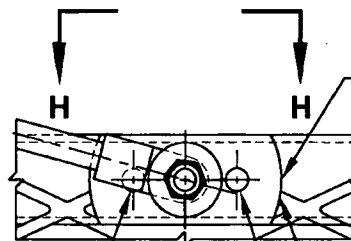
VIEW H-H



D3953-15
GAS SPRING BRACKET
REF
TRANSFER MARK AND
DRILL Ø0.194 THRU

TRIM MESH LOCALLY
AS REQUIRED

DETAIL C



D3953-5
GAS SPRING STUD
REF

TRIM MESH LOCALLY
AS REQUIRED

TRANSFER MARK AND
DRILL Ø0.194 THRU

DETAIL D

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DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
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